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Tiny TV Camera Set For Satellite Project

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SUNNYVALE, Calif., Feb. 11—A television camera less than eight inches long, a likely forerunner of those to be used on reconnaissance satellites, was demonstrated here today.

The device, about the size of an amateur movie camera, weighs less than three pounds. With auxiliary equipment weighing less than six pounds, the camera's pictures can be transmitted 1,000 miles.

The equipment was developed by engineers of the Lockheed Aircraft Corporation's Missiles and Space Division here.

Lockheed is the prime contractor on the Discoverer project. This is aimed at putting a satellite into a north-south "polar" orbit, from which the whole surface of the earth could be scrutinized by a mechanical "eye."

Nicholas K. Marshall, the principal research scientist involved in the camera's development, said today it would be used on the Discoverer project.